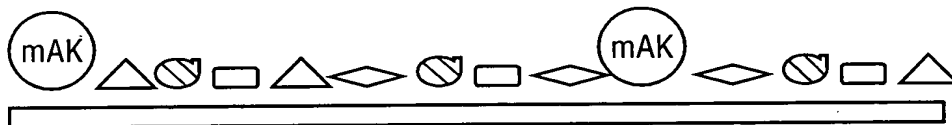
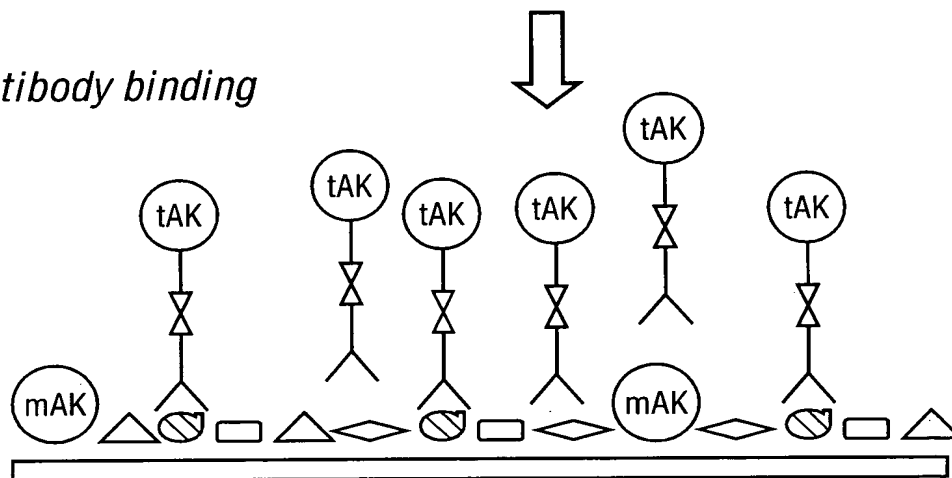


1/4
Prion ELISA - 1

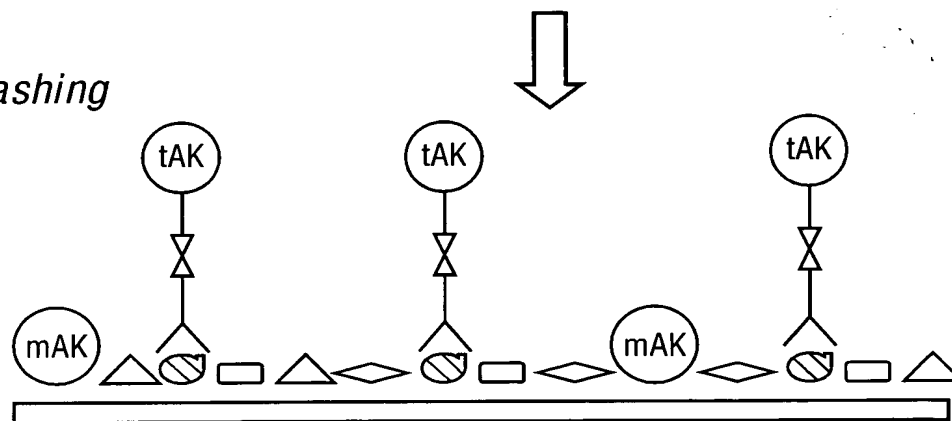
1. Blocking



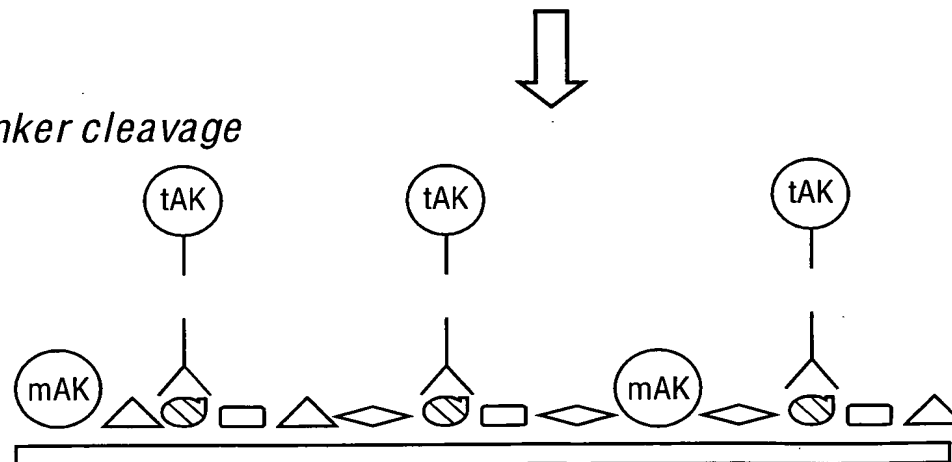
2. Antibody binding



3. Washing



4. Linker cleavage

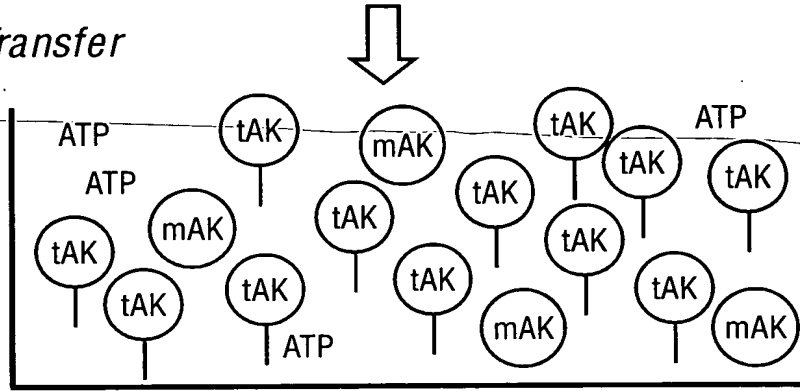


09889520 121001

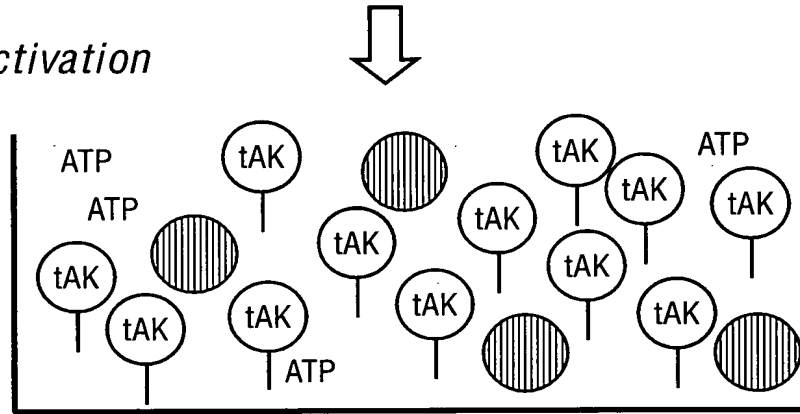
2/4

Prion ELISA - 2

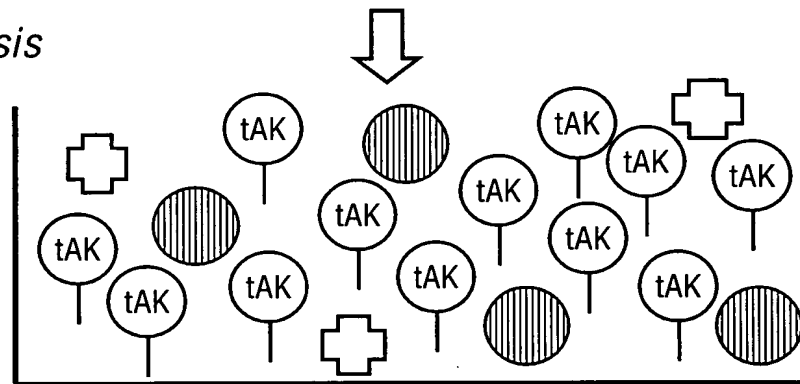
5. Recovery / Transfer



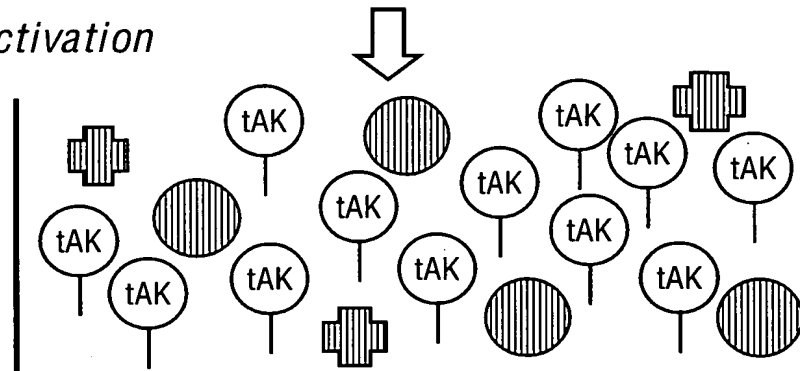
6. Thermal Inactivation



7. ATP Hydrolysis



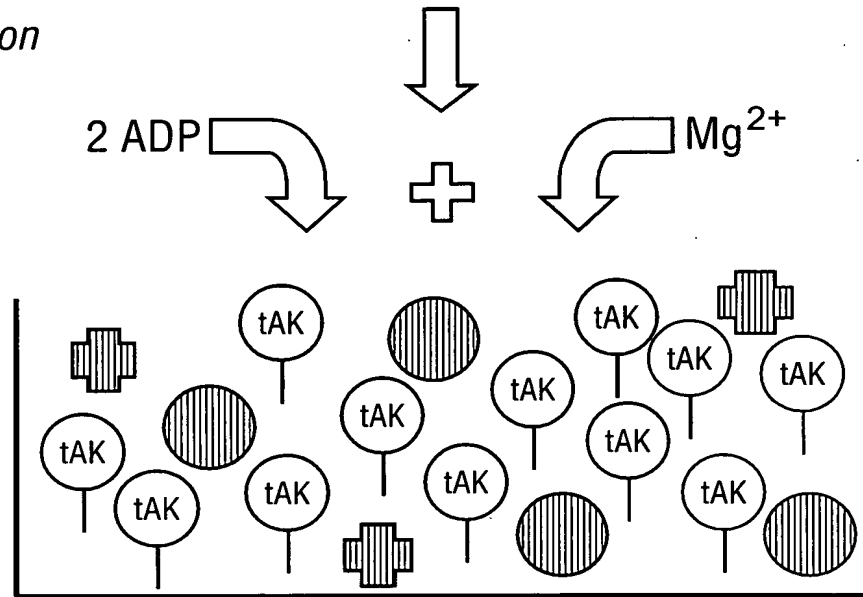
8. Thermal Inactivation



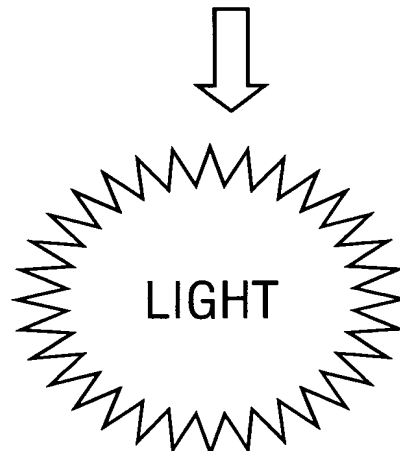
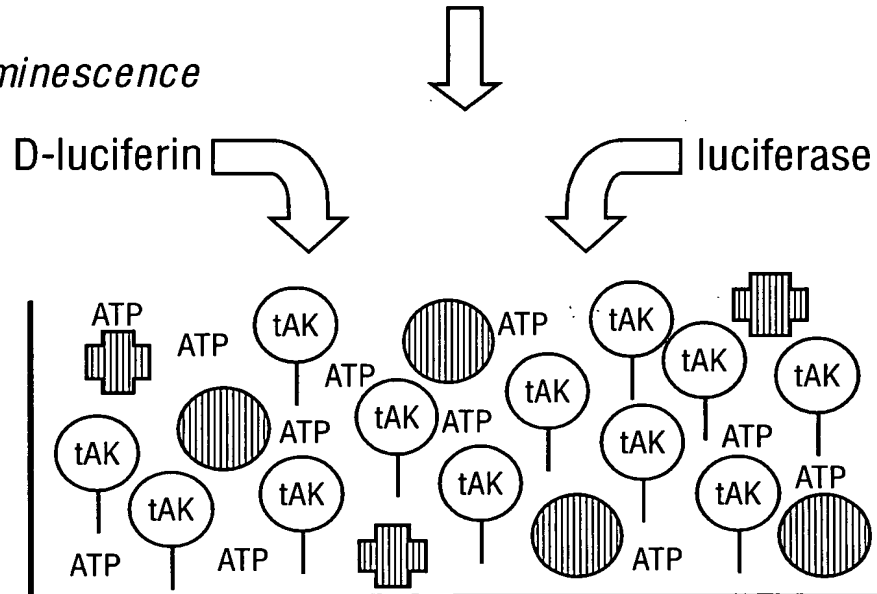
09889520-121001

3/4
Prion ELISA - 3

9. ATP Generation



10. ATP Bioluminescence



4/4

Key to Prion ELISA



- mesophilic adenylate kinase



- prion protein



- miscellaneous cellular materials



- thermostable adenylate kinase



- cleavable linker



- antibody



- antibody - thermostable adenylate kinase conjugate

ATP

- adenosine 5'-triphosphate



- apyrase / adenosine deaminase



- thermally inactivated enzymes

09/889520